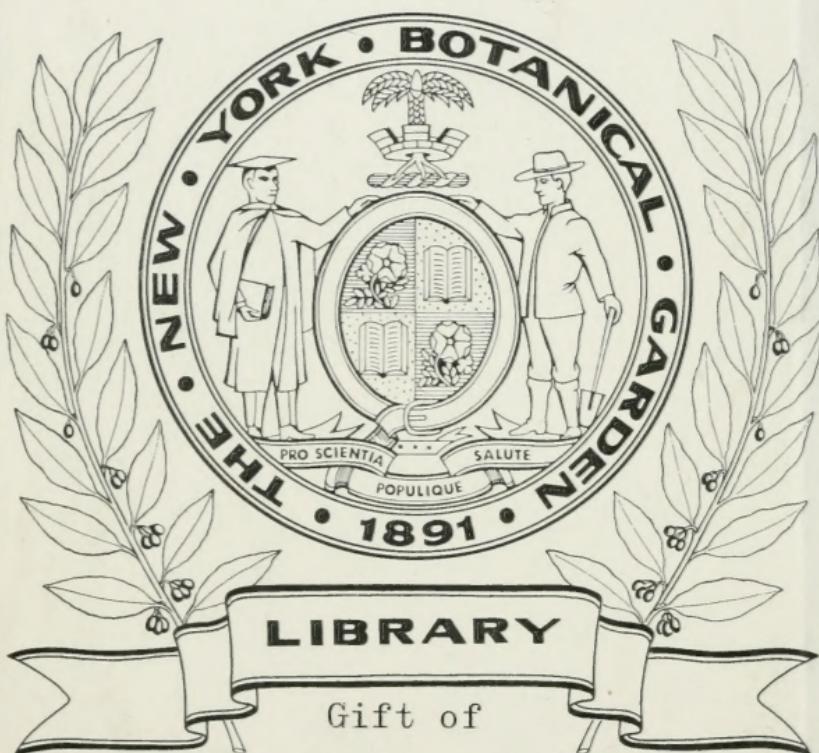


QK
177
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HOWELL
—
CATALOGUE
OF THE
FLORA OF
OREGON, WASHINGTON, AND
IDAHO

QK177
H6



Gift of
Dr. William H. Loery
in memory of
AIDA SEVILLA LOERY

69. Howell, Thomas (Jefferson) (1842-1912). *Cat. Oregon, Washington, and Idaho.* 23 pages, wrap (1877).

"By 1887 this had grown to a "Catalogue . . . comprising more than 200 varieties." (Humphrey p. 119)

CATALOGUE
OF THE
FLORA
OF
OREGON, WASHINGTON, and IDAHO.

ANNOUNCEMENT.

I will furnish Botanists with all I can find of their desiderata from this coast at ten cents per species; all specimens to be complete, with fruit and flowers; and roots, when possible.

I have collected Botanical specimens for sale, for the last four years and my plants have given good satisfaction wherever they have been received.

All plants will be securely packed, and sent by Mail, free of charge their safe arrival guaranteed,

Full sets, of all I can find, will be furnished at five cents per species. Large quantities of any class of plants; or large quantities of any species will be furnished at \$5. per 100 specimens.

I have published a Catalogue of the Flora of Oregon, Washington, and Idaho; which I will send on application price ten cents. In case plants are purchased, the money will be refunded.

Thomas Howell.
Arthur, Oregon.

Qπ177

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LIBRARY
NEW YORK
BOTANICAL
GARDEN

CATALOGUE
of the
PLANTS OF N. WESTERN AMERICA.
BY
THOMAS HOWELL,
Sauvie's Island, Oregon.

RANUNCULACEÆ.

Clematis ligusticifolia, Nutt.
 Douglasii, Hook.
 verticillaris, D. C.
Anemone occidentalis, Watson.
 multifida, D. C.
 nemorosa, Linn.
 deltoides, Hook.
Trollius *grandis*, Nutt.
Thalictrum occidentale, Gray.
 polycarpum, Watson.
 dioicum, Linn.
Myosurus minimus Linn.
 aristatus Benth.
Ranunculus aquatilis Linn. ;
 var. *heterophyllum* D. C.
 var. *trichophyllum* Chaix.
 franulæ, Linn.
 var. *intermedius*, Hook.
 var. *Unalaschensis*, Ledb.
 var. *reptens*, Meyer.
 alismaefolius Geyer.
 aflinis, R. Br. ; var.
 cordiophyllum, Gray.
 cymbalaria, Pursh.
 glaberrimus, Hook.
 Hookerii, Regel.
 maeranthus, Scheele.
 Nelsonii, Gray
 var. *tenellus*, Gray
 occidentalis, Nutt.
 var. *emarginatus*, Gray.
 Pennsylvanicus, Linn.
 sceleratus, Linn.
 orthorhynchus, Hook.
 multifidus, Pursh.
 muricatus, Linn.

Caltha biflora D. C.

leptocephala D. C.

Isopyrum Hardw. Gray.

sibiricum Gray.

Aquilegia formosa Fisch.

Coptis occidentalis T. & G.
 asplenifolia Salsb.

Delphinium Menziesii D. C.

bicolor Nutt.

depauperatum Nutt.

simile Dougl.

troiliifolium Gray.

scopulorum Gray.

Aconitum Colchicum Nutt.

Napellus L. ; var.

delphinifolia Sering.

Cimicifuga elata Nutt.

Actea spicata L. ; var. *arguta* L.

Paeonia Brownii Dougl.

BERBERIDACEÆ.

Berberis aquifolium Pursh.

repens Lindl.

nervosa Pursh.

Vancouveria hexandra Morr.

Achlys triphylla D. C.

NYMPHÆACEÆ.

Nuphar polysepalum Engelm.

advena Ait.

Brasenia peltata Pursh.

PAPAVERACEÆ.

Eschscholtzia Douglasii Benth.

Platystigma lineare Benth.

Oregana Benth. & Hook.

Darlingtonia Californica Torr.

FUMARIACEÆ.

Dicentra cucularia, D. C.
 formosa D. C.
Corydalis Scoulerii Hook.

CRUCIFRERÆ.

Nasturtium obtusum Nutt.
 curvisiliqua,
var. *lyratum* Watson,
 palustra D. C.
 officinale R.Br.
 sinnatum, Nutt.

Barbarea vulgaris, R. Br.
Arabis perfoliata Lam.
 Drummondii, Gray.
 Holboellii Hornem.
 areuata Gray.
 hirsuta Scop.
 canescens Nutt.
 Lyallii Watson.

Cardamine hirsuta Linn.
 angulata Hook.
 pratense Linn.
 oligosperma Nutt.
 Brewerii Watson.
 cordifolia Gray.

Dentaria tenella Pursh.
Sisymbrium glaucum Nutt.
 officinale Scop.
 linifolia Nutt.
 canescens Nutt.
 incisum Engelm.; var.
 filipes Gray.
var. *Hartwigianum* Watson.
 reflexum Nutt.

Erysimum asperum D. C.
var. *Arkansanum* Gray.
 cheiranthoides Linn.

Thelypodium sagitatum Endl.
 laciniatum Endl.
 integrifolia Endl.
 Nuttallii Watson.

Cheiranthus Menziesii, B. & H.
Brasicæ campestris Linn.
Stanleya pinnatifida Nutt.
Smelowskia ciliycina Meyer
Vesicaria montana Gray.
Tilaspa alpestre Linn.

Draba aurea, Vahl.

nemorosa, L.; var.

leiocarpa, Lindl.

Cachlearia anglica, Linn.

Capsella divaricata, Walp.

Bursa-pastoris, Mœnich.

Platyspermum scapigerum, Hook.

Lepidium dictyonotum, Gray.

oxycarpum, T. & G.; var.

strictum Watson.

intermedium, Gray.

montanum, Nutt.

ruderale, Linn.

Menziesii, D. C.

nitidum, Nutt.

Virginicum, Linn.

Thysanocarpus pusillus, Hook.

curvipes, Hook.

Physaria didymocarpa, Gray.

CAPPARIDACEÆ.

Polanisia trichysperma, T. & G.

Clome lutea, Hook.

integrifolia, T. & G.

platycarpa, Torr.

VIOLACEÆ.

Viola palustris, Linn.

blanda, Willd.

carne, L. v. *adunca*, Gray.

var. *longipes*, Watson.

cneulata, Ait.

aurea, Kellogg.

Nuttallii, Pursh.

sarmentosa, Dongl.

gabella, Nutt.

Hallii, Gray.

chrysantha, Hook.

Beckwithii, T. & G.

POLYGALACEÆ.

Polygala California, Nutt.

CARYOPHYLLACEÆ.

Silene Lyallii, Watson.

campanulata, Wat.

montana, Watson.

Gallica, Linn.

antirrhina, Linn.
Menziesii, Hook.
Hokerii, Nutt.
Oregana, Watson.
verbenunda, Watson.
Douglasii, Hook.
Seoulensis, Hook.
Spaldingii, Hook.
incompta, Gray.

Vaccaria vulgaris, Host.
Lychnus Githago, Linn.
Cerastium nutans, Raf.
 arvense, Linn.
 vulgatum, Linn.
 viscosum, Linn.
 pilosum, Ledb.

Stellaria media, Linn.
 nitans, Nutt.
 longipes, Goldie.
Borealis, Bigelow.
 var. *alpestris*, Gray.
 crispa, Cham. & Schl.
 longifolia Muhl.

Arenaria congesta, Nutt.
 var. *subcongesta*, Watson.
capillaris Poir.
Franklinii Dongl.
peploides, L.; var.
 oblongifolia Watson.
Douglasii T. & G.
Californica Brewer.
tenella Nutt.
serpyllifolia Linn.
Michauxii Hook.
arctica Stev.
verna Linn.
lateriflora Linn.
macrophylla Hook.

Sagina occidentalis Watson.
 Linnaei Presl.
Spergula arvensis Linn.
Lepidium medium Fries.
 rubrum Fries.
Pentacæna ramosissima H. & A.

PORTULACACEÆ.

Portulaca oleracea Linn.
Calandrinia Menziesii Hook.
 pygmaea Gray.
Nevadensis Gray.

Leana Porter.

Claytonia triphylla Watson.
Caroliniana Michx. var.
 sessilifolia Torr.
 perfoliata Donn.
 var. *parviflora* Torr.
 var. *spathulata* Torr.
 exigua T. & G.
Siberica Linn.
 parvisolia Moq.
Chamissonis Esch.
 var. *tenerima* Gray.
 linearis Dongl.
 difusa Nutt.
 bulbifera Gray.
 dichotoma Nutt.

Montia fontana Linn.
Sprague umbellata Torr.
Lewisia rediviva Pursh.

ELATINACEÆ.

Elatina Americana Arn.
Bergia Texana Seubert.

HYPERICACEÆ.

Hypericum Scoulerii Hook.
 perforatum Linn.
anagalloides Cham. & Schl.

MALVACEÆ.

Malva borealis Wallman.
 rotundifolia Linn.
Sidalcea humilis Gray.
 malvaeflora Gray.
Malvestrum Munroanum Gray.
Sphaeralcea rivularis Dongl.
Sida hederacea Torr.

LINACEÆ.

Linum perenne Linn.
 digynum Gray.

GERANIACEÆ.

Geranium incisum Nutt.
Richardsonii F. & M.
Carolinianum Linn.
Erodium cicutarium L'Her.
 moschatum L'Her

Linanthus Douglasii R. Br.
Fleckeria proserpinicoides Willd.
Oxalis Oregana Nutt.
 _{acetosella} Linn.
 _{corniculata} Linn.
Impatiens pallida Nutt.
 _{flava} Nutt.

CELASTRACEÆ.

Erythronium occidentalis Nutt.
Pachystima myrsinites Raf.

RHAMNACEÆ.

Rhamnus alnifolia L'Heritier
 _{Purshiana} D. C.
 _{Californica} Esch.
Ceanothus thyrsiflora Dougl.
 _{sanguineus} Pursh.
 _{velutinus} Dougl.
 _{integerrimus} Hook. & Arn.
 _{divaricatus} Nutt.
 _{cuneatus} Nutt.
 _{prostratus} Benth.

VITACEÆ.

Vitis Californica Benth.

SAPINDACEÆ.

Acer macrophyllum Pursh.
 _{glabrum} Turr.
 _{circinatum} Pursh.

ANACARDIACEÆ.

Khus diversiloba T. & G.
 _{aromatica} Ait.; v. *triloba*.
 _{glaucia} Linn.

LEGUMINOSÆ.

Thermopsis montana Nutt.
Lupinus Chaenostomis Esch.
 _{polyphyllus} Lindl.
 _{rivularis} Dougl.
 _{Wyethii} Watson.
 _{Buckii} Watson.
 _{interalis} Dougl.
 _{acutius} Watson.
 _{Sabinii} Dougl.

Lupinus albiquialis Dougl.
 var. *Bridgesii* Watson.
 _{ornatus} Dougl.
 _{sulphureus} Dougl.
 _{sericeus} Pursh.
 _{leucophyllus} Dougl.
 _{lepidus} Dougl.
 _{flexuosus} Lindl.
 _{parviflorus} Nutt.
 _{laxiflorus} Dougl.
 _{argentatus} Pursh.
 _{holosericeus} Nutt.
 _{caespitosus} Nutt.
 _{aridus} Dougl.
 var. *Lobbii* Watson.
 _{minimus} Dougl.
Lyallii Gray.
mieranthus Dougl.
 var. *bicolor* Watson.
microcarpus Sims.
pusillus Pursh.
Trifolium megacephalum Nutt.
 _{eriocephalum} Nutt.
 _{plumosum} Dougl.
 _{longipes} Nutt.
 var. *latifolium* Hook.
 _{pratense} Linn.
 _{altissimum} Dougl.
Beckwithii Brewer.
procumbens Linn.
repens Linn.
maeraei Hook. & Arn.
 var. *dichotomum* Brewer.
ciliatum Nutt.
Knigii Watson.
gracilentum T. & G.
 var. *bifidum* Gray.
involutum Willd.
 var. *heterodon* Watson.
tridentatum Lindl.
panciflorum Nutt.
microcephalum Pursh.
microdon Hook. & Arn.
cyathiferum Lindl.
fucatum Lindl.
Melilotus alba Linn.
Hosackia crassifolia Benth.
 _{bicolor} Dougl.
 _{gracilis} Benth.
 _{parviflora} Benth.
 _{subspinata} T. & G.

Hosa *deca* *Purshiana* Benth.
 (*h. paniculata* Benth.)
Carex pseudocyathus Dougl.
 lanceolata Pursh
Glycyrrhiza lepidota Nutt.
 var. *glutinosa* Watson
Petalostemon macrostachys Torr.
Astragalus lentiginosus Dougl.
 Hookerianus Dietr.
 Purshianus Dougl.
 serricarpus Gray.
 filipes Torr.
 Howellii Gray.
 multiflorus Gray.
 porrectus Watson.
 arreatus Gray.
 Webberii Gray.
 Mortoni Nutt.
 obscurus Watson.
 Squallidii Gray.
 Kentrophyta Gray.
 var. *elatus* Watson.
Collinus Dougl.
 var. *subglabra* Gray.
reventus Gray.
serotinus Gray.
pauciflorus Hook.
lentiginosus Dougl.
diphysus Gray.
succumbens Dougl.
Shortianus Nutt.
glareosus Dougl.
Oreganus Nutt.
miser Dougl.
Vicia gigantea Hook.
Americana Muhl.
 var. *truncata* Brewer.
sativa Linn.
exigua Nutt.
hirsuta Koch
Lathyrus maritimus Bigelow.
polyphyllus Nutt.
venosus Muhl.
paluster Linn.
 var. *myrtifolius* Gray.
littoralis Endl.
Nevadensis Watson.
Torreyii Gray.
vestitus Nutt.
acutus Nutt.

Lathyrus allii Watson
 ochroleucus Hook.
ROSACEAE
Prunus subcordata Benth.
 americana Benth.
 var. *mollis* Brewer.
 demissa Walpers.
Nuttallia cerasiformis T. & G.
Spiraea betulifolia Pallas.
 var. *rosea* Gray.
 Douglasii Hook.
 var. *Menziesii* Presl.
 var. *Nobilissima* Watson.
 discolor Pursh.
 Var. *ariefolia* Watson.
 var. *dumosa* Watson.
Amoenus Linn.
espitosa Nutt.
Physocarpus Torreyi Maxim.
 opulifolia var. *mollis* Max.
Eriogonum pertinax Hook.
Iulus Nutkansis Moquin
 spectabilis Pursh.
 var. *Menziesii* Watson.
 leucodermis Dougl.
 pedatus Smith.
 ursinus Cham. & Schlecht.
 strigosus Michx.
Prunus tridentata D. C.
Cercocarpus ledifolius Nutt.
 intricatus Watson.
 parvifolius Nutt.
Geum macrophyllum Willd.
 urbanum L. var. *Oregonense*
 trifolium Pursh.
Potentilla glandulosa Lindl.
 var. *Nevadensis* Watson.
rivalis Nutt.
 var. *imillegrana* Watson.
Plattensis Nutt.
Norvegica Linn.
supina Linn.
Hippiana Linn. var.
 pulcherrima Watson.
gracilis Dougl.
 var. *labeliformis*
 var. *fastigiata* Wats.
 fragiformis Willd. var.
 villosum Regel & Lilieny

Potentilla gelida C. Meyer.
brevifolia Nutt.
Anserina Linn.
 var. *grandis* Linn.
palustris Scop.
Horkelia *fusca* Lindl.
capitata Lindl.
congesta Hook.
Alchemilla *arvensis* Scop.
Agrimonia *Eupatoria* Linn.
Poterium *officinale* Benth. & H.
annuum Nutt.
Rosa *Californica* Cham. & Schlecht.
pisocarpa Gray.
Nutkana Presl.
gymnocarpa Nutt.
Pirus *rivularis* Dougl.
sambucifolia Cham. & Schlecht.
Crataegus *rivularis* Nutt.
Douglasii Lindl.
Amelanchier *alnifolia* Nutt.
Peraphyllum *ramosissimum* N.

SAXIFRAGACEÆ;

Saxifraga *Virginiana* Michx.
nivalis Linn.
integrifolia Hook.
leucanthemifolia Michx.
bryophora Gray.
heterantha Hook.
punctata Linn.
Tolmiea T. & G.
trieuspida Ritz.
bronchialis Linn.
 var. *cherleroides* Gray.
elegans Nutt.
ramentifolia Hook.
cæspitosa Linn.
Sullivantia *Oregana* Watson.
Boykinia *occidentalis* T. & G.
 major Gray.
Bolandra *Oregana* Watson.
Tolmiea *Menziesii* T. & G.
Sukkendorfia *violacea* Gray.
Tellima *grandiflora* Hook.
 var. *pauciflora* Watson.
Tiarella *multifolia* Hook.
 var. *teffolata* Linn.
Mitchella *repens* Graham.
catenata Nutt.

Heucharia *micrantha* Dougl.
cyathiformis Dougl.
glabra Willd.
parvifolia Nutt.
Chrysosplenium *glechomifolium*
Parnassia *palustris* Linn.
fimbriata Koenig.
Philadelphus *Lewisii* Pursh.
Gordonianus Lindl.
Whipplea *modest* Torr.
Ribes *Menziesii* Pursh.
Lobbii Gray.
rotundifolia Michx.
divaricatum Dougl.
 var. *irriguum* Gray.
laeustre Poir. v. *molle* Gr.
 var. *parvulum* Gray.
laxiflorum Pursh.
Hudsonianum Richard.
bracteosum Dougl.
cereum Dougl.
viscosissimum Pursh.
sanguineum Pursh.
aureum Pursh.
 var. *triflorum* Torr.
gracile Michx.

CRASSULACEÆ,

Tillaea *angustifolia* Nutt.
sedum *Rhodiola* D. C.
spathulifolium Hook.
Oreganum Nutt.
stenopetalum Pursh.
Douglasii Hook.
pumilum Benth.
Cotyledon *Oregonum* Watson.

DROSERACEÆ.

Drosera *rotundifolia* Linn.
Anglica Hudson.

LYTHRACEÆ.

Ammannia *latifolia* Linn.
humilis Michx.

LOOSESTRIFACEÆ.

Myriophyllum *verticillatum* Nutt.
hippocrateoides Nutt. Nutt.

Myrsinodryanthus Nutt.
 — *splendens* T. & G.
Myrsinodryas T. & G.
 — *oblonga* T. & G.
Lindwigi Nutt. (s. *M.*)
Pedunculus — *oblonga* Lindl.
 — *sparsa* T. & G.
 — *terminalis* T. & G.
stifficosa Nutt.
affine Bong.
teucrioides Linn.
colorata T. & G.
palustris Linn.
minutum Lindl.
paniculatum Nutt.
origanifolium Linn.
glaberrimum Barbey.
Gayophytum difusum T. & G.
ramosissimum T. & G.
rasemosum T. & G.
Ceuthera biennis Lindl.
albicaulis Nutt.
cespitosa Nutt.
triloba Nutt.
Nuttallii T. & G.
heterantha Nutt.
strigulosa T. & G.
 — var. *pubens* Watson.
dentata Cav.
andina Nutt.
Boothii Dougl.
seapoides Nutt.
 — var. *purpurascens* Wats.
Goditia purpurea Watson.
lipida Lindl.
 — var. *parviflora* Watson.
 — var. *Arnottii* Watson.
albescens Lindl.
quadriovulnea Spach.
tenella Watson.
viminea Spach.
ameena Lilja
epilobioides Watson.
Boisduvalia Torreyi Watson.
densiflora Watson.
glabella Walp.
Clarkia pulchella Pursh
 — *rhomboides* Dougl.
 — *elegans* Lindl.
Gaura parviflora Dougl.
Circea Pacifica A. Nels. & Mag.
 — *LOASACEÆ.*
Mentzelia albicans Dougl.
dispersa Watson.
coerulea T. & G.
revivens T. & G.
 — *lutea* Nutt.
 — *UICURBITACEÆ.*
Megarrhiza Oregana Torr.
 — *FABOIDEÆ.*
Mullugo virginiata Linn.
 — *UMBELLIFERÆ.*
Hydrocotyle ranunculoides Lin.
Oenanthe lacustris Nutt.
Eryngium petiolatum Hook.
 — var. *juncifolium* Gray.
 — var. *armatum* Watson.
Sanicula Menziesii Hook. & Arn.
bipinnatifida Dougl.
Conium maculata Linn.
Carum Gairdneri Benth. & Hook.
Pimpinella apiodora Gray.
Cicuta maculata Linn.
Sium orientale Gmelin.
Osmorhiza nuda Torr.
 — *longistylis* D. C.
Glycosma ambiguum Gray.
 — *occidentalis* Nutt.
Geum sarmentosa Nutt.
Theobroma trifoliatum Gray.
Ligustrum Scoticum Linn.
lucidum Benth. & Hook.
 — *opulorum* Gray.
Angelica genuflexa Nutt.
Arguta Nutt.
Aralia Regelii Gmelini D. C.
Cyperus terebinthinus T & G.
Polygonum littoralis Schmidt.
Polygonum leiocarpum Nutt.
 — *Nuttallii* Watson.
 — *virginatum* Nutt.
 — *implex* Nutt.
 — *ambiguum* Nutt.
 — *navigatum* Nutt.
 — *tallii* Watson.
 — *atriculatum* Nutt.

Fenucedatum millifolium Watson.
macrocarpum Nutt.

var. *curycarpum* Gray.
dasyarpum T. &
ferinosum Geyer.
nudicaule Nutt.

Ferula dissoluta Watson
multifida Gray.

Harclem lanata Michx.
Daucus pusillus Michx.

ARALIACEÆ.

Aralia Californica Watson.
Fatsia horrida Benth. & Hook.

CORNACEÆ.

Cornus Canadensis Linn.
sericea Linn.
Nuttallii Audibon.
stolonifera Michx.
pubescens Nutt.
Garrya elliptica Dougl.
Fremontii Torr.

CAPRIFOLIACEÆ.

Sambucus glauca Nutt.
racemosa Linn.
Viburnum elliptricum Hook.
panetillorum Pylai.
Linnaea borealis Gronov.
Symporicarpus racemosus Mx.
rotundifolius Gray.
occidentalis R. Br.
Lonicera hispida Dougl.
var. *Douglasii* Gray.
var. *vaccillans* Gray.
ciliosa Poir.
caerulea Linn.
involucrata Banks.
conjugialis Kellogg.

RUBIACEÆ.

Kelloggia galloides Torr.
Galium aparine Linn.
triflorum Michx.
trifidum Linn.
boreale Linn.
rubioides Linn.
Littellii Oaks.

VALERIANACEÆ.

Valeriana edulis Nutt.
capitata Willd.
Plectritis congesta D. C.
macrocera T. & G.

DIPSACÆ.

Dipsacus sylvestris Mill.

COMOSITÆ.

Eupatorium occidentalis Hook.
Brickellia macrophylla Gray.
oblongifolia Nutt.
grandiflora Nutt.
Adenostyles nardosmia Gray.
Grindelia nana Nutt.
hirsutula Hook. & Arn.
integrifolia D. C.
squarrosa Durmal.
discoidea Nutt.
Chrysopsis villosa Nutt.
Oregana Gray

Aplopappus paniculatus Gray.
Hallii Gray.
r. sinuosus Gray.
Bloomerii Gray.
suffruticosa Gray.
nanus Eaton.
lanceolatus T. & G.
uniflorus T. & G.
Nuttallii T. & G.
discoidea Gray.
florifer Gray.
cathimoides Gray.
radiata —
racemosa

Bigelovia graveolens Gray.
var. *albicanalis* Gray.
Douglasii Gray.
var. *serulata* Gray.
var. *puburula* Gray.
Solidago occidentalis Nutt.
elongata Nutt.
hamilis v. *confertiflora*
serotina Ait.
gigantea Ait.
Sericocarpus rigidus Lit. dl.
Aster canescens Pursh.
radulinus Gray.

Aster Douglasii Lindl.
integrifolius Nutt.
alpinus Gray.
Menziesii Lindl.
Nuttallii T. & G.
campestris Nutt.
bracteolatus Nutt.
modesta Lindl.
elegans T. & G.
Oreganus Nutt.
Engelmanii
ledophyllus Gray.
Hallii Gray.
Sayii Nutt.
multilobus Ait.
Cusickii Gray.
novi-Belgii Linn.
simplicius Willd.
Brachyactis frondosa Gray.
Townsendia Parryi Gray.
Eriogonum Bloomeri Gray.
inornatum Gray.
corymbosum Nutt.
decumbens Nutt.
filiformis Nutt.
petiolarifolius Gray.
ochroleucus Nutt.
 var. *hirsutissimum* Gray.
compositus Pursh.
nanus Nutt.
concinnum T. & G.
 var. *condensatum* Eaton.
 var. *aphamnetis* Gray.
nitidulus Linn.
glaucus Ker-Gawler.
speciosus D. C.
Philadelphicum Linn.
glabellus Nutt.
salsuginosus Gray.
 var. *Howellii* Gray.
divergens T. & G.
annuum Presl.
strigosus Muell.
occidentalis Nutt.
Canadensis Linn.
Baccharis pilularis D. C.
Adenostoma bicolor Hook.
Micropas californicus P. & M.
Psilocarphus Oreganus Nutt.
 var. *elatior* Gray.
tenuifolius Nutt.
Evax ciliolans Gray.
Antennaria racemosa Nutt.
dimorpha T. & G.
flagellaris Gray.
dioica Gertn.
 var. *rotunda* Eaton.
alpina Gertn.
Geyerii Gray.
plantigera Hook.
Anaphalis margaritacea Benth.
Gnaphalium decurrens Ives.
Sprengelii Hook. & Arn.
microcephalum Nutt.
pumilum Nutt.
uliginosum Linn.
purpureum Linn.
leucoccephalum Gray.
Iva axillaris Pursh.
Ambrosia artemisiifolia Linn.
Franeria Hookeriana Nutt.
bipinnatifida Nutt.
Chamissonis Less.
Xanthium strumarium Linn.
Rudbeckia occidentalis Nutt.
Balsamorhiza Careiana Gray.
 var. *Hookerii* Nutt.
sagittata Nutt.
deltoides Nutt.
Wyethia angustifolia Nutt.
helianthoides Nutt.
amplexicaulis Nutt.
Helianthella Douglasii, T. & G.
Helianthus petiolaris Nutt.
angustus Linn.
Nuttallii, T. & G.
Coreopsis Atkinsoniana Dougl.
Bidens bipinnata Linn.
cerina L. v. *elata* T. & G.
Blepharipappus scaber Hook.
Madia Nuttallii Gray.
 var. *elegans* Dou.
sativa Molina.
 var. *congesta* T. & G.
 var. *racemosa* Gray.
 var. *dissitiflora* Gray.
glomerata Hook.
filipes Gray.
Hemizonella parvula Gray.
Lagophylla ramosissima Nutt.
Layia glandulosa Hook. & Arn.
Douglasii Hook. & Arn.
Jaumea carnosa Gray.
Baeria greilis Gray.

Bahia lanata D. C.
integripolia D. C.
gracilis Hook. & Arn.
Lasthenia glaberrima D. C.
Hulsea nana Gray.
Rigiopappus leptocladus Gray.
Chæmactis Donglasii Hook. & Arn.
stevioides Hook. & Arn.
Gaillardia aristata Pursh.
Hymenopappus tiliifolius Hook.
Helenium autumnale L. var.
grandiflora T. & G.
Actinella Richardsonii Nutt.
Crocidium multicaule Hook.
Achillea Millefolium Linn.
Anthemis cotula Linn.
Chrysanthemum leucanthemum
Matricaria discoidea D. C.
Tanacetum Huronense Nutt.
vulgare Linn.
Artemisia discolor Dougl.
Ludoviciana Nutt.
dracunculoides Pursh.
cana Pursh.
tridentata Nutt.
borealis Pallas.
Canadensis Michx.
arbuscula Nutt.
trifida Nutt.
Lindleyana Besser.
pumila Nutt.
pedatifida Nutt.
Douglasiana Besser.
Michauxiana Besser.
Richardsoniana Besser.
Prescottiana Besser.
frigida Willd.
biennis Willd.
Cotula australis Hook.
Nardosmia palmata Hook.
Tetradymia spinosa H. & A.
canescens D. C.
var. *inermis* Gray.
Nuttallii T. & G.
Luina hypoleuca Benth.
Senecio vulgaris Linn.
Bolanderi Gray.
aureus Linn.
var. *balsamitae* T. & G.
Howellii E. L. Green.
Medocinensis Gray.
andinus Nutt.

Senecio Ingens Richardson.
var. *exaltatus* Gray.
triangularis Hook.
subnudus D. C.
fastigiatus Nutt.
serra Hook.
Arnica discoidea Benth.
cordifolia Hook.
latifolia Bong.
mollis Hook.
Chamissonis Less.
foliosa Nutt.
alpina Benth.
amplexicaulis Nutt.
Saussurea Americana Eaton.
Cnicus undulatus Gray.
var. *megacephalus* Gray.
edulis Gray.
renotifolius Gray.
Carlinooides Schrank, var.
Americanus Gray.
Drummondii Gray.
foliosus Gray.
lanceolatus Hoffm.
Microseris mitans Gray.
major var. *laciniata* Gray.
leptosepala Gray.
laciniata Gray.
var. *procera* Gray.
macrocheta Gray.
troximoides Gray.
Stéphanomeria minor Nutt.
pinnatifida Nutt.
Malacothrix crépoides Gray.
Crepis occidentalis Nutt.
var. *erimita* Gray.
acuminata Nutt.
Cooperi Gray.
Troximon glaucum Nutt.
aurantium Hook.
apargioides Less.
Nuttallii Gray.
grandiflorum Gray.
var. *tennifolium* Gray.
retrorsum Gray.
Chilense Gray.
Taraxacum Dens-leonis Desf.
Apargidium boreale T. & G.
Hieracium Scouleri Hook.
albiflorum Hook.
triste Willd.
umbellatum Linn.

Lactuca pulchella D. C.
leucophaea Gray.
Canadensis Linn.
Sonchus asper Villars.
Nabalus albus Hook.
alatus Hook.

LOBELIACEÆ.

Downingia elegans Torr.
pulchella Torr.
Howellia aquatalis Gray.

CAMPANULACEÆ.

Githopsis specularioides Nutt.
specularia perfoliata A. D. C.
Campanula rotundifolia Linn.
Scouleri Hook.
Heterodon rariflorum Nutt.

ERICACEÆ

Vaccinium uliginosum Linn.
occidentale Gray.
salicinum Cham.
caespitosum Michx.
 var. *arboreum* Gray.
 var. *cuneifolium* Nutt.
Myrtillus Linn.
 var. *microphyllum* Hook.
myrtilloides Hook.
ovalifolium Smith.
parvifolium Smith.
Vitis-Idaea Linn.
ovatum Pursh.
Oxycoleus Linn.
macrocarpon Ait.
Arbutus Menziesii Pursh.
Arctostaphylos alpina Spreng.
Uva-ursi Spreng.
Nevadensis Gray.
tomentosa Dougl.
pungens HBK. var.
 platyphylla Gray.
Gaultheria Myrsinoides Hook.
 Shallon Pursh.

Cassiope lycopodioides Don.
Mertensiana Don.
 tetragona Don.
Bryanthus empetrifolius Gray.
 glanduliflorus Gray.
Kalmia glauca Ait.
Menziesia glabella Gray.

Menziesia ferruginea Smith.
Rhododendron albiflorum Hook.
 occidentale Gray.
Californicum Hook.
macrophyllum Don.
Lapponicum Wahl.
Ledum palustre Linn.
 tarifolium Ait.
 glandulosum Nutt.

Cladothamnus pyrolaefolius Bong
Chimaphila umbellata Nutt.
 Menziesii Spreng.
 maculata Pursh.

Moneses uniflora Gray.
Pyrrola minor Linn.
 secunda Linn.
chlorantha Swartz.
eliptica Nutt.
rotundifolia Linn.
 var. *braetearia* Gray.
pieta Smith.
aphylla Smith.

Allotropa virgata T. & G.
Pterospora andromedea Nutt
Monotropa uniflora Linn.
 hypopitys Linn.
 fimbriata Gray.

Newberrya congesta Torr.

PLUMBAGINACEÆ.

Armeria vulgaris Willd.

PRIMULACEÆ.

Dodecatheon Meadia Linn.
 var. *macrocarpum* Gray.
 var. *faigidum* Gray.
 var. *latilobum* Gray.
Douglasia laevigata Gray.
Androsace septentrionalis Lam.
Trientalis Europaea L. var.
 arctica Ledeb.
 var. *latifolia* Torr.
Lysimachia thrysiflora Linn.
Glaux maritima Linn.
Centunculus minimus Linn.
Samolus Valerandi Linn. var.
 Americanus Gray.

OLEACEÆ.

Fraxinus Oregana Nutt.

APOCYNACEÆ.

Apocynum androsaemifolium L.
var. *pumilum* Gray.
cannabinum Linn.

ASCLEPIADACEÆ.

Aselepias speciosa Torr.
Mexicana Cav.

GENTIANACEÆ.

Microcalia quadrangularis Gris.
Erythraea Donglasii Gray.
Gentiana simplex Gray.
 tenella Rottb
 amarella L. v. *aenta* Hook.
Donglasiana Bong
Newberryi Gray.
calycosa Griseb.
Menziesii Griseb.
sceptrum Griseb.
Oreganit Engelm.
 affinis Griseb.
Frasera thrysiflora Hook.
 speciosa Dougl.
 nitida Benth.
 albicaulis Dougl.

POLEMONIACEÆ.

Phlox cæspitosa Nutt.
 Douglasii Hook.
 var. *diffusa* Gray.
 linearifolia Gray.
 absurgens Torr.
 speciosa Pursh.

Collomia grandiflora Dougl.
 linearis Nutt.

 var. *subulata* Gray.
 gracilis Dougl.
 aggregata Porter.
 heterophylla Hook.

Gilia liniflora Benth. var.
 pharacooides Gray.
 pusilla Benth.
 Bolanderi Gray.
 tenella Benth.
 indicaulis Gray.
 Nuttallii Gray.
 pungens Benth.

Gilia pungens v. *Hookeri* Gray.
 var. *squarrosa* Gray.
 squarrosa Hook & Arn.
 intertexta Stendl.
 inima Gray.
 divaricata Torr.
 floccosa Gray.
 congesta Hook.
 minutiflora Benth.
 capitata Dougl.
 teniflora Benth.
 inconspicua Dougl.
 var. *sinuata* Gray.

Polemonium caeruleum Linn.
 foliosissimum Gray.
 microanthum Benth.

HYDROPHYLLACEÆ.

Hydrophyllum capitatum Dougl.
 occidentale Gray.
Virginicum Linn.
Nemophila Menziesii H. & A.
 parviflora Dougl.
 grayi Gray.
Phacelia circinata Jacq.
 franciscana Dougl.
 sericea Gray.
 Franklinii Gray.
 Menziesii Torr.
 diyariacata Gray.
Endemanthus parviflora Gray.
 lutea Gray.
Cementhus arctioides Watson.
Rouenazelia Szechensis Bong.
Hesperichiron Californicus W.
 pumilus Porter.
Nanum demissum Gray.

BORRAGINACEÆ.

Goldenia Nuttallii Hook.
Bellidropium Curassavicum L.
Pectocarya penicillata A. D. C.
 pusilla Gray.
Cynoglossum grande Dougl.
 ciliatum Dougl.
Echinospermum difusum Lehmann.
 floribundum Lehmann.
 deltatum Lehmann.
Redewskii Lehmann.
Greenii Gray.

Eritrichium plebeium A. D. C.
Californicum D. C.
Scouleri A. D. C.
fulvum A. D. C.
cinnaceum Gray.
tenellum Gray.
circumscissum Gray.
barbigerum Gray.
leioarpum Watson.
murielatum A. D. C.
var. *ambiguum* Gray.
pteroearyum Torr.
glomeratum D. C.
leneophaeum A. D. C.
Amsineckia intermedia F. & M.
lycopsoidea Lehm.
var. *bracteosa* Gray.
Mertensia maritima Dov.
oblongifolia Don.
paniculata Don.
Myosotis verna Nutt.
var. *macrosperrma* Chap.
Lithospermum pilosum Nutt.

CONVOLVULACEÆ.

Convolvulus Soldanella Linn.
sepium L. v. *Americanus*
occidentalis Gray.
Californicus Choisy.
Cuscuta arvensis Beyrich.
salina Engelm.

SOLANACEÆ.

Solanum nigrum Linn.
var. *villosum* Mill
Nicotiana attenuata Torr.
quadrivalvis Pursh.
var. *multivalvis* Gray.

SCROPHULARIACEÆ.

Verbascum Thapsus Linn.
Blattaria Linn.
Linaria Canadensis Dumont.
vulgaris Mill.
Collinsia grandiflora Dougl.
var. *pusilla* Gray.
sparsiflora F. & M.
parviflora Dougl.
Rattani Gray.
linearis Gray.

Tonella ciliolata Linn.
floribunda Gray.
Scrophularia nodosa Linn.
Californica Cham.
Chelone nemorosa Dougl.
Pentstemon Menziesii Hook.
var. *Newberryi* Gray.
var. *Seoulensis* Gray.
Douglasii Gray.
glaber Pursh.
acuminatus Dougl.
pruinosus Dougl.
ovatus Dougl.
ottenuatus Dougl.
confertus Dougl.
var. *cernueo-purpureus*
deustus Dougl.
Gardneri Hook.
laricifolius Hook. & Arn.
glandulosus Lindl.
glaucus Graham.
venustus Dougl.
diffusus Dougl.
Richardsonii Dougl.
triphyllus Dougl.
gracilentus Gray.
Minimus namus Hook. & Arn.
Douglasii Gray.
cardinalis Dougl.
Lewisii Pursh.
luteus Linn.
var. *alpinus* Gray.
var. *depauperatus* Gray.
alsinoides Benth.
rubellus Gray.
floribundus Dougl.
moschatus Dougl.
var. *longiflorus* Gray.
primuloides Benth.
pilosus Watson.
Gratiola ebraeeta Benth.
Virginiana Linn.
Ilysanthes gratioloides Benth.
Limosella aquatica Linn.
Synthyris rotundifolia Gray.
reniformis Benth.
var. *major* Hook.
pinnatifida Watson.
rubra Benth.
Veronica Anagallis Linn.
Americana Schwein.
scutellata Linn.

Veronica Cusickii Gray.

Stelleri Pall.
alpina Linn.
serpyllifolia Linn.
peregrina Linn.
arvensis Linn.

Castilleja parviflora Bong.
pallida Kunth.

var *septentrionalis* Gray;

Orthocarpus pallescens Gray.

pilosus Watson.
attenuatus Gray.
castilleioides Benth.
paehystachys Gray.
temnifolius Benth.
bracteosus Benth.
luteus Nutt.
Tolmiei Hook. & Arn.
pusillus Benth.
hispidus Benth.

Cordylanthus ramosus Nutt.
erectus Nutt.

Pedicularis Grænländica Ritz.
contorta Benth.
racemosa Dougl.
ornithorhyncha Benth.
palustris L. v. Wlassoviana
bracteosa Benth.

CROBANCHACEÆ.

Aphyllon uniflorum Gray.
fasciculatum Gray.
comosum Gray.
Californicum Gray.
pinetorum Gray.
Peschieria strobilacea Gray.

IPHTIBULARIACEÆ.

Utricularia vulgaris Linn.
minor Linn.

VERBENACEÆ.

Verbena hastata Linn.
bracteosa Benth.

LAMIACEÆ.

Trichostema longum Benth.
lanceolatum Benth.
Mentha Canadensis Linn.
var. *glabrata* Benth.

Lycopus Virginicus Linn.
sinuatus Ell.

Monardella odora tissima Benth.

Micromeria Douglasii Benth.

Audibertia incana Benth.

Monarda fistulosa Linn.
var. *mollis* Benth.

Lophanthus urticifolius Benth.

Nepeta Cataria Linn.

Draeocephalum parviflorum Nutt.

Scutellaria lateriflora Linn.
angustifolia Pursh.

antirrhinoides Benth.

galeruculata Linn.

Brunella vulgaris Linn.

Phystostegia parviflora Nutt.

Leonurus cardica Linn.

Stachys palustris Linn.

ciliata Dougl.

var. *pubens* Gray.

PLANTAGINACEÆ.

Plantago major Linn.

var. *Asiatica* Decaisne.

microcarpa Chaub. & Sehl.

maritima Linn.

lanceolata Linn.

Patagonica Jacq.

var. *gnaphaloides* Gray.

pusilla Nutt.

NYCTAGINACEÆ.

Abronia umbellata Lam.

millifera Dougl.

latifolia Esch.

turbinata Torr.

multiflora

POLYGONACEÆ.

Rumex venosus Pursh.

occidentalis Watson.

salicifolius Weinmann.

crispus Linn.

conglomeratus Murray.

maritimus Linn.

paeonifolius Nutt.

sanguineus Linn.

Acetosella Linn.

Polygonum Paronychia C. & S.

erectum Linn.

Polygonum aviculare Linn.
minimum Watson.
ramosissimum Michx.
tenue Michx.
coarctatum Engl.
polygaloides Desv.
innocuum Nutt.
Californicum Meissner.
nodosum Persoon.
ampullaceum Linn.
Muhlenbergii Watson.
aereum HBK.
Hydropiper Linn.
persicaria Linn.
Bistorta Linn.
viviparum Linn.
polymorphum Ledeb.
Davisiae Brewer.
dumetorum Linn. var.
 _{scandens} Gray.
Convolvulus Linn.
Eriogonum flavum Nutt.
androsaceum Benth.
pyrolaeifolium Hook.
 var. *coryphaeum* T. & G.
ineanum T. & G.
thymoides Benth.
Douglasii Benth.
sphaerocephalum Dougl.
umbellatum Torr.
 var. *monocephalum* T. & G.
stellatum Benth.
 var. *bahiaeforme* Watson.
heracleoides Nutt.
compositum Dougl.
acanthe Nutt.
cernuum Nutt.
ovalifolium Nutt.
 var. *proliferum* Watson.
dichotomum Dougl.
nivale Dougl.
nudum Dougl.
 var. *pancillorum* Watson.
 var. *oblongifolium* Watson.
clatum Dougl.
microthecum Nutt.
corymbosum Benth.
brevicaule Nutt.
strictum Benth.
vinineum Dougl.
Baileyi Watson.
Pterostegia drymarioides F. & W.

AMARANTACEÆ.

Amarantus hybridus Linn.
viridis Linn.
altissimus Linn.
chlorostachys Willd.
Californicus Watson.
Nitrophilus or *circinatus* Watson.

CHENOPodiACEÆ.

Sarcobatus vermiculatus Torr.
Chenopodium album Linn.
 hybridum Linn.
 Botrys Linn.
 capitatum Watson.
Monolepis chenopodioides Moq.
Atriplex patula Linn.
 truncata Gray.
Eurotia lanata Moquin.
Grayia polygaloides H. & A.
Corispermum hyssopifolium L.
Salicornia ambigua Michx.
 herbacea Linn.

LAURACEÆ.

Umbellularia California Nutt.

ELAEAGNACEÆ.

Shepherdia argentea Nutt.
Canadensis Nutt.

URTICACEÆ.

Celtis reticulata Torr.
 occidentalis var. *pumila*.
Urtica dioica Linn.
 Lyallii Watson.

EUPHORBIACEÆ.

Eremocarpus setigerus Benth.
Euphorbia serphyllifolia Pers.
 glyptosperma Engelm.
 dictyosperma F. & M.
 leptocera Engelm.
 maculata Linn.

CALLITRICHACEÆ.

Callitricha sepulta Watson.
 verna Linn.

Callitrichie Bolanderi Hegelm.
autumnalis Linn.

CERATOPHYLLACEÆ.

Ceratophyllum demersum Linn.

BETULACEÆ.

Betula occidentalis Hook.
glandulosa Michx.

Alnus rubra Bong.
rhombifolia Nutt.
incana Willd. var. virescens
veridis D. C.

SALICACEÆ.

Salix lasiandra Benth.
var. lancifolia Bebb.
longifolia Muhl.
sessilifolia Nutt.
var. villosa Anders.
flavescens Nutt.
Geyeriana Anders.
Sitchensis Sauson.
glauca v. villosa Anders.
Populus tremuloides Michx.
trichocarpa T. & G.
balsamifera Linn.
angustifolia James.

CUPULIFERÆ.

Quercus Garryana Dougl.
Breweri Engelm.
chrysolepis Liebm.
Kelloggii Newberry.
Castanopsis chrysophylla A. DC.

CORYLACEÆ.

Corylus rostrata Ait.
var. *Galericaria* A. DC.
Americana Walther.

ARISTOLOCHIACEÆ.

Asarum Hartwegii Watson.
canescens F. Muell.

SANTALACEÆ.

Comandra umbellata Nutt.
pallida A. DC.

LORANTHACEÆ.

Phoradendron flavescens Nutt.
var. *villosum* Engelm.
Arceuthobium robustum Engel.
occidentale Engelm.
var. *abietinum* Engelm.
Americanum Nutt.

TAXACEÆ.

Taxus brevifolia Nutt.

CONIFERÆ.

Juniperus communis Linn.
occidentalis Hook.
Virginiana Linn.
Sabina Linn.
Cupressus Macnabiana Murr.
Chamaecyparis Lawsoniana Parl.
Nuttkaensis Spach.
Thuya gigantea Nutt.
Libocedrus decurrens Torr.
Abies grandis Lindl.
concolor Lindl.
nobilis Lindl.
amabilis Dougl.
subalpina Engelm.
Pseudotsuga Douglasii Carr.
Tsuga Mertensiana Carr.
Farroniana Engelm.
Picea Sitchensis Carr.
pungens Engelm.
Larix Lyallii Parl.
occidentalis Nutt.
Pinus monilicola Dougl.
Lambertiana Dougl.
albicaulis Engelm.
ponderosa Dougl.
var. *Jeffreyi* Engelm.
contorta Dougl.

HYDROCHARITACEÆ.

Anacharis Canadensis Planch.

ORCHIDACEÆ.

Corallorrhiza multiflora Nutt.
Mertensiana Bong.
immatia R. Br.
striata Lindl.

Calypso borealis Salisb.
Alectrium flabellatum Torr.
Habenaria elegans Boissier.
Umalaschensis Watson.
leucostachys Watson.
hyperborea R. Br.
gracilis Watson.
dilatata Gray.
Spiranthes cernua Richards.
Romanzoffiana Cham.
Goodyera Menziesii Lindl.
Listera cordata R. Br.
convallarioides Nutt.
Eripaectis gigantea Dougl.
Cephalanthera Oregana Reich.
Cypripedium montanum Dougl.

IRIDACEÆ.

Iris macrostachion Torr.
Douglasiana Herbert.
tenax Dougl.
loogipetala Herbert.
Missouriensis Nutt.
Sisyrinchium bellum Watson.
Californicum Ait.
grandiflorum Dougl.
tinctorum HBK.

LILIACEÆ.

Allium Schrenkianum Linn.
cernuum Roth.
validum Watson.
Geyeri Watson.
Douglasii Hook.
madidum Watson.
Cusickii Watson.
collinum Dougl.
scilloides Dougl.
autumnatum Hook.
acetosiforme Kellogg.
serratum Watson.
Nevii Watson.
macranthum Watson.
falcifolium H. & A.
acutipetala K. Logg.
pleianthum Watson.
Tolmiei Baker.
Brodiaea grandiflora Smith.
marmorata Watson.
ciliigera Smith.
multicilia Benth.

Brodiaea Douglasii Watson.
lutea Watson.
luteola Watson.
laetula Watson.
Heuchera Watson.
Brevicoccia coccinea Watson.
Camassia esculenta Lindl.
Smilacina racemosa Desf.
amplexicaulis Nutt.
stellata Desf.
sessilifolia Nutt.
Maianthemum bifolium DC.
Lilium Washingtonianum Kell.
parvum Kellogg.
Columbianum Hanson.
Fritillaria lanceolata Pursh.
recurva Benth.
atropurpurea Nutt.
pudica Spreng.
Erythronium grandiflorum Pur.
giganteum Lindl.
Calochortus elegans Pursh
var. *balmis* Wood.
Tolmiei H. & A.
apiculatus Baker.
lilacinus Kellogg.
Greenii Watson.
Nuttallii T. & G.
nitidus Dougl.
macrocarpus Dougl.
Streptopus amplexifolius DC.
rogersii Michx.
brevipes Baker.
Prosartes Menziesii Don.
Oregana Watson.
Clintonia uniflora Kunth.
Sceliopus Hallii Watson.
Trillium sessile Linn. var.
Californicum Watson.
var. *angustipetalum* Tor.
petiolatum Pursh.
ovatum Pursh.
Veratrum viride Ait.
Californicum Durand.
Stenanthium occidentale Gray.
Zygadenus elegans Pursh.
venenosus Watson.
paniculatus Watson.
Tofieldia glutinosa Willd.
occidentalis Watson.
Xerophyllum tenax Nutt.
Douglasii Watson.

PONTEDERIACEÆ.

Schollera graminifolia Willd.

ARACEÆ.

Lysichiton Kamtschateensis S.

TYPHACEÆ.

Sparganium simplex Hudson.*Typha latifolia* Linn.

LEMNACEÆ.

Lemna trisulca Linn.*minor* Linn.*polyrrhiza* Linn.

NAIADACEÆ.

Naias flexilis Rostk. & Schmidt.*Zostera marina* Linn.*Phyllospadix Scouleri* Hook.*Lilaea subulata* HBK.*Zannichellia palustris* Linn.*Ruppia maritima* Linn.*Potamogeton natans* Linn.*Claytoni* Tuckerman.*rufescens* Schrad.*Ionchites* Tuckerman.*anisifolius* Tuckerman*perfoliatus* L. v. *lanceolatus**zosterifolius* Schum.*ericiiflorus* Pursh.*risellus* Linn.*tinatus* Linn.*bottini* Oaks.*Triglochin maritimum* Linn.*Schenckeria palustris* Linn.

ALISMACEÆ.

Alisma Plantago Linn.*Sagittaria variabilis* Engelm.

JUNCACEÆ.

Luzula spadicea DC.*var. parviflora* Meyer.*var. subcongesta* Watson.*comosa* Meyer.*- campestris* DC.*spicata* Desv.

Juncea filiformis Linn.

Balticus Dethard.*effusus* Linn.*var. brunneus* Engelm.*patens* Meyer.*Drummondii* Meyer.*Parryi* Engelm.*biflorus* Linn.*triformis* Engelm.*tenuis* Willd.*var. congestus* Engelm.*falcatus* Meyer.*longistylis* Torr.*nodosus* L. v. *megacephalus* Dubius*Nevadensis* Watson.*oxymeris* Engelm.*xiphioides* Meyer.*var. montanus* Engelm.*var. triandrus* Engelm.*Mertensianus* Meyer.*eastaneus* Smith.

CYPERACEÆ.

Cyperus aristatus Rottb.*acuminatus* Torr.*erythrorhizos* Muhl.*phyllodes* Muhl.*accidentalis* Torr.*Scirpus riparius* Spreng.*lacustris* L. v. *occidentalis**maritimus* Linn.*microcarpus* Presl.*atrovirens* Muhl.*Eriophorum Vaginatum* Linn.*polystachyum* Linn.*Hemicarpha subsquarrosum* Nees.*Eleocharis acicularis* R. Br.*palustris* R. Br.*obtusa* Schult.*Fimbristylis capillaris* Gray.*Rhynchospora alba* Vahl.*Dulichium spathaceum* Pers.*Carex filifolia* Nutt.*polytrichoides* Muhl.*Breweri* Boott.*Geyeri* Boott.*siccata* Dewey.*marcida* Boott.*Douglasii* Boott.*Hoodii* Boott.*muricata* Linn.

Carex stipata Muhl.
festiva Dowey.
vallicola Dewey.
athrostachya O.
tenella Schik.
Deweyana Schk.
 var. *Bolanderi* Boott.
echinata Murr.
scoparia Schik. v. *fulva* B.
cristata Schwein.
aurea Nutt.
vulgaris Fries.
decidua Boott.
aquatilis Wahl.
lenticularis Michx.
salina Wahl. v. *minor* Boott.
Sitchensis Prescott.
Jamesii Törr.
racemata Boott.
livida Willd.
Laxiflora Lam. Var.
 plantaginea Boott.
podocarpa R. Br.
Raynoldsi Dewey.
Pennsylvanica Lam.
Rossii Boott.
amplifolia Boott.
filiformis L. v. *latifolia* Bo.
trichocarpa Muhl. var.
monile Tuckerman.
vesicaria Linn.
 var. *lanceolata* Olney.
 var. *globosa* Olney.
pseudocyperus Linn. var.
 comosa Boott.
nigricans C. A. Meyer.
Kunzei Olney.
leporina L. v. *Americana*
albolutescens Schwein.
 var. *brunnea* Olney.
 var. *sparsiflora* Olney.
elata Allioni.
borealis Lang.
Mertensii Prescott.
ferruginea Schik.
frigida Allioni.
Oregonensis Olney.
rhomboides Schik.
macrocephala
scirpoidea Michx.
Liddoni Boott.

GRAMINEAE.

Paspalum distichum Linn.
Panicum capillare Linn.
 scoparium Linn.
 dichotomum Linn.
Crus-galli Linn.
Leersia oryzoides Swartz.
Phleum alpinum Linn.
Alopecurus pratensis Linn.
 aristulatus Michx.
 geniculatus Linn.
 saccatus Vasey.
Beckmannia eruciformis Host.
Phalaris arundinacea Linn.
 intermedia Bosc.
Hierochloe borealis Rém. & Sc.
 macrophylla Thurber.
Coleanthus subtilis Seidel.
Vilfa depauperata Torr.
 gracillima Thurber.
Sporobolus cryptandrus Gray.
 asperfolius Thurber.
Polypogon littoralis Smith.
Monspeliensis Desf.
Agrostis alba Linn.
 aequivalvis Trin.
Scouleri Trin.
 exarata Trin.
asperifolia Trin.
 varians Trin.
elata Trin.
scabra Willd.
canina Linn.
Cinna arundinacea Linn. var.
 pendula Gray.
Muhlenbergia glomerata Trin.
Calamagrostis stricta Trin.
 Canadensis Beauv.
Langsdorffii Trin.
deschampsiodes Trin.
Aleutica Trin.
sylvatica DC.
Howellii Vasey.
Eriocoma cuspidata Nutt.
Stipa comata Trin. & Rupr.
 occidentalis Thurber.
 setigera Presl.
viridula Trin.
Spartina cynosuroides Willd.
 gracilis Trin.

Danthonia Californiae Bolander
var. *unispicata* Thürber.
Avena fatua Linn.
Trisetum cernuum Trin.
 canescens Buckl.
 subspicatum Beauv.
 var. *molle* Gray.
Aira caespitosa Linn.
 elongata Hook.
 danthonioides Trin.
 caryophyllea Linn.
 latifolia Hook.
Phragmites communis Trin.
Kœleria cristata Pers.
 var. *Oregana*
Eatonia obtusata Gray.
Melica impariflora Trin.
 bulbosa Geyer.
 fugax Bolander.
 bromoidea Gray.
 acuminata Bolander.
 pooidea Nutt.
Distichlis maritima Raf.
Lophochlaena refracta Gray.
Glyceria fluitans R. Br.
 nervata Trin.
 aquatica Smith.
 paniceiflora Presl.
Atropis distans Griseb.
 Californica Munro.
 tenuifolia Thürber.
Poa annua Linn.
 alpina Linn.
 abbreviata R. Br.
 pratensis Linn.
 trivialis Linn.
 serotina Ehrhart.
 stenantha Trin.
 glumaris Trin.
 borealis Hook.
 arctica R. Br.
 flexuosa Muhl.
 alsodes Gray, v. *eccidentalis*
 purpurascens Vasey.
Eragrostis reptans Nees.
Festuca Myurus Linn.
 enella Willd.
 erostachys Nutt.
 ina Linn.
 var. *duriuseula* Gray.
 ibrella Torr.
 neiflora Thunb.

Bromus racemosus Linn.
 ciliatus Linn.
Ceratochloa grandiflora Hook.
 breviaristata Hook.
Lolium perenne Linn.
 temulentum Linn.
 siculum Parl. ?
Triticum repens Linn.
 caninum Linn.
 strigosum Lessing.
Hordeum nudosum Linn.
 jubatum Linn.
Elymus arenarius Linn.
 condensatus Presl.
 var. *triticoides* Thürber.
dasytachus
Sibiricus Linn.
Canadensis Linn.
Sitanion Schult.

EQUISETACEÆ.

Equisetum arvense Linn.
Telmateia Ehrh.
 robustum Al. Braun.
 hiemale Linn.
 levigatum Al. Braun.
 limosum Linn.

OPHIÖGLOSSACEÆ.

Botrychium ternatum Swartz.
 Virginianum Swartz.

FILICES.

Polypodium vulgare Linn.
 falcatum Kellogg.
 Scouleri Hook. & Grev.
Gymnogramme triangularis Kf.
Cheilanthes gracillima Eaton.
Pellaea densa Hook.
Cryptogramme acrostichoides
Pteris aquilina Linn. var.
 lanuginosa Bong

Adiantum pedatum Linn.
 emarginatum Hook.

Lomaria spicant Desv.
 var. *serratum* Woll.

Asplenium Trichomanes Linn.
 Filix-fœminæ Bernhardi.

Phegopteris alpestris Mettenius
 Dryopteris Fee.

Aspidium rigidum Swartz. var.
 argutum Eaton.

spinulosum Swartz. var.
 dicatatum Hornem.
 immitum Kaulfuss.

Cystopteris fragilis Bernhardi.
Woodia scoparia Eaton.
 Oregana Eaton.

LYCOPODIACEÆ.

Lycopodium annotinum Linn.
 clavatum Linn.

SELAGINELLEÆ.

Selaginella rupestris Spring.
 Oregana Eaton.

Douglasii Spring.

Isoetes Nuttallii Al. Braun.

MARSILIACEÆ.

Marsilia vestita Hook. & Grev.
 longipes Aust.

SALVINIACEÆ.

Azolla Caroliniana Willd.

MUSCI.

Portia eavifolia Ehrh.
 minutula Bruch. & Schimp.
 rubiginosa Mitten.

Weissia cirrhata Hedw.
 crispula Hedw.

Dicranum virens Hedw.
 var *serratum* B. & S.
 polycarpum Ehrh.
 subulatum Hedw.
 heteromallum Hedw.
 Schreberi Swartz.
 crispum Hedw.
 strictum Schleich.
 fuscescens Turner
 scoparium Hedw.
 palustre LaPyl.
 palucidum
 majus Turner.

Ceratodon purpureus Bridel
Leptoleichum flexicante Hampe.
Desmatodon latifolius Bridel.
 cernuus B. & S.

Baculum a. c. vipes Lesq.
 rigidula Schimp.

sumatra Smith.

vinealis Bridel.

oblonga (L.)

hepatica Bridel.

leptophylla Bridel.

ruralis Hedw.

Muelleri B. & S.

Fissidens limbatus Sulliv.
 grandifrons Bridel.
 adiantoides Hedw.

Listiellum capillaceum B. & S.

Hedwigia ciliata Ehrh.

Braunia californica Lesq.

Zygodon lapponeus B. & S.

Tetraphis pellucida Hedw.

Glauca (Scouler) Macbr.

apocarpa Hedw.

polytrichoides Smith.

leucophaea Grev.

montana B. & S.

Rhacomitrium patens Schimp.

Nevii Eaton.

canescens Bridel.

heterostichum Bridel.

lanuginosum Bridel.

microcarpum Bridel.

Ulota phyllantha Bridel.

crispula Bruch.

Orthotrichum enupulatum Hoffm.

Jam-sianum Sulliv.

speciosum Nees.

pulchellum Smith.

consimile Mitt.

Lyellii Hook. & Tayl.

Eucalypta vulgaris Hedw.

ciliata Hedw.

rhabdoearpa Schwaegr.

Dissodon Hornschuchii G. & A.

Tayloria splachnoides Hook.

serrata B. & S.

Physeomitrium pyriforme Bridel

Funaria Californica S. & L.

calcarea Wahl.

Bryum polymorphum B. & S.

notans Schreb.

erudum Schreb.

commutatum Watson.

Tozeri Grev.

albicans Bridel.

intermedium Bruch.

Bryum bimum Schreb.
Oreganum Sulliv.
subrotundum Bridel.
pallescens Schwaegr.
caespiticium Linn.
capillare Linn.
argentatum Linn.
pallens Swartz.
Atwaterie Muell.
Duvallii Voit.
pseudotriquetrum Sch. w.
turbinatum Schwaegr.
Mnium affine Bland.
Menziesii Muell.
punctatum Hedw.
venustum Mitten.
Drummondii Bruch. & Sch.
Nevii Muell.
spinulosum B. & S.
Timmia megapolitana Hedw.
Meesea uliginosa Hedw.
longiseta Hedw.
tristicha Bruch.
Aulacomnium androgynum Sch.
palustre Schwaegr.
Bartramia Menziesii Hook.
ithyphylla Bridel.
pomiformis Hedw.
fontana Bridel.
odeir
Catharinea Callibryon Ehrh.
Oligotrichum ligulatum Lindb.
Pogonatum contortum Lesq.
Polytrichum piliferum Schreb.
juniperinum Hedw.
commune Linn.
formosum Hedw.
Buxbaumia aphylla Haller.
Fontinalis antipyretica Linn.
Lescurii Sulliv.
Dichelyma falcatum Myrin.
uncinatum Mitten.
Hookeria lucens Smith.
anomala Muell.
Climaciun Americanum Brid.
Leskeia polycarpa Ehrh.
Neckera Menziesii Drum.
Douglasii Hook.
Antitrichia curtipendula Brid.
var. gigantea Sulliv.
Californica Sulliv.
Alsia Californica Sulliv.

Alsia abietina Sulliv.
Hypnum crispifolium Hook.
Blandowii Web. & Mohr.
Intescentia Huds.
Nuttallii Wils.
arenarium Lesq.
megaptilum Sulliv.
pseudosericeum Muell.
collinum Schleich.
salebrosum Hoffm.
declivum Mitten.
asperrimum Mitten.
myosuroides Linn.
stoloniferum Hook.
Brewerianum Lesq.
aggregatum Mitten.
acuticuspis Mitten.
leucocladolum Muell.
cemprellum Muell.
strigosum Hoffm.
Stokesii Turner.
Oreganum Sulliv.
Bigelovii Sulliv.
Alleghaniense Muell.
denticulatum Linn.
undulatum Linn.
robustum Hook.
pulchellum Dicks.
turfaceum Lindb.
elegans Hook.
sylvaticum Linn.
trichophorum Spruce.
compactum Muell.
serpens Linn.
filicinum Linn.
uncinatum Hedw.
fluitans Linn.
subimponens Lesq.
circinale Hook.
arcticum Sommerf.
engyrium Schimp.
ochraceum Turner.
splendens Hedw.
triquetrum Linn.
loreum Dill.
colpophyllum Sulliv.
Sphagnum molluscum Bruch.
acutifolium Ehrh.
flimbriatum Wilson.
squarrulosum Lesq.

The following species, are reported as growing in Klickitat Co., Washington Territory, by W. N. Suksdorff.

Rumiculus venosus Linn. var.
 lebeckarpus Hook. & Arn.
Dicentra mollis Kellogg.
Astragalus inflexus Dougl.
Sibbaldia procumbens Linn.
Tellima tenella Walp.
Mitchella Breweri Gray.
Epiptium juenindum
Spiraea Nеваденсis Watson.
Orogia linearifolia Watson.
Canarina microcarpa Hook.
Symporicarpus mollis Nutt.
Pieperitis samilifolia
Aster adscendens Lindl.
Arenaria Carpathica R. Br.
 luzuloides T. & G.
Helianthella uniflora T. & G.
Bidens frondosa Linn.
Senecio hydrophilus Nutt.
Micoseris linearifolia Gray.
Campanula scabrella
Lysimachia ciliata Linn.
Erythraea Muhlenbergii Griseb.
Menyanthes trifoliata Linn.
Phlox longifolia Nutt.
 var. *Stansburyi* Gray.
Gilia Larseni Gray.
Eritrichium oxyacarynum Gray.
Echinosperrnum hispidum Gray.

Castilleja miniata Dougl.
Verbena prostrata R. Br.
Oxyria digyna Campdora
Polygonum Hartwrightii Gray.
 hydropiperoides Muhl.
Parietaria Pennsylvanica Muhl.
Salix lasiolepis Benth.
 myrtilloides
 rostrata Richardson.
Picea Engelmanni
Cypripedium Austincie Watson.
Sisyrinchium micranthum Mx.
Calochortus longibarbatus W.
Sparganium minimum Benth.
Juncus Oregonus Engelm.
Eriophorum gracile Koch.
Hemicarpha occidentalis Gray.
Carex interrupta Bae.
 utriculata Boott.
Setaria viridis Beauv.
Melica Harfordii Bolander.
Equisetum palustre Linn.
 littorale
Botrychium simplex Hitchcock.
Ophioglossum vulgatum Linn.
Aspidium aculeatum Swartz. v.
 scopulinum Eaton.
Isoetes Bolanderi Engelm.

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